

# Color Video Camera

## Operating Instructions

Before operating the unit, please read this manual thoroughly and retain it for future reference.

### 使用手册

使用本机前，请仔细阅读本使用手册并妥善保存以备日后参考。

## Super HAD CCD®

## SSC-CD45/CD45P

## DynaView

## SSC-CD49/CD49P

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### English

## Owner's Record

The model and serial numbers are located on the bottom. Record these numbers in the spaces provided below.  
Refer to these numbers whenever you call upon your Sony dealer regarding this product.

Model No. \_\_\_\_\_ Serial No. \_\_\_\_\_

## WARNING

To reduce a risk of fire or electric shock, do not expose this product to rain or moisture.

To avoid electrical shock, do not open the cabinet. Refer servicing to qualified personnel only.

### WARNING

This installation should be made by a qualified service person and should conform to all local codes.

### WARNING

A readily accessible disconnect device shall be incorporated in the building installation wiring.

### WARNING (for Installers only)

Instructions for installing the equipment on the ceiling or the wall:  
After the installation, ensure the connection is capable of supporting at least a force of 50 Newtons (N) downwards.

### CAUTION

The rating label is located on the bottom.

### Power Supply

#### Caution for U.S.A. and Canada

The SSC-CD45/CD49 operates on 24V AC or 12V DC.  
The SSC-CD45/CD49 automatically detects the power.  
Use a Class 2 power supply which is UL Listed (in the U.S.A) or CSA-certified (in Canada).

#### Caution for other countries

The SSC-CD45/45P/CD49/49P operates on 24V AC or 12V DC.  
The SSC-CD45/45P/CD49/49P automatically detects the power.

#### For customers in the U.S.A.

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

NOTE: This equipment has been tested and found to comply with the limits for a Class A digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference when the equipment is operated in a commercial environment. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instruction manual, may cause harmful interference to radio communications. Operation of this equipment in a residential area is likely to cause harmful interference in which case the user will be required to correct the interference at his own expense.

You are cautioned that any changes or modifications not expressly approved in this manual could void your authority to operate this equipment.

All interface cables used to connect peripherals must be shielded in order to comply with the limits for a digital device pursuant to Subpart B of Part 15 of FCC Rules.

#### For Customers in Canada

This Class A digital apparatus complies with Canadian ICES-003.  
Cet appareil numérique de la classe A est conforme à la norme NMB-003 du Canada.

#### For customers in other countries

### WARNING

This is a Class A product. In a domestic environment, this product may cause radio interference in which case the user may be required to take adequate measures.

In the case that interference should occur, consult your nearest authorized Sony service facility.

### ATTENTION

The electromagnetic fields at specific frequencies may influence the picture of the unit.

## Features

- This is a dome-shaped color video camera for which the 1/3 type Super HAD CCD® has been adopted. It has the following features:
- Manual setting of the camera direction – panning, tilting and rotating
- Vari-focal auto iris lens as standard equipment. The focal length of the lens is from 2.8 mm to 10 mm.
- High quality CCD and clear dome cover enable high sensitivity.
- Backlight compensation through the center measurement (SSC-CD45/CD45P only).
- Wide dynamic range (128 times wider than normal) using DynaView technology (SSC-CD49/CD49P only)
- Automatic white balance tracking and adjustment (ATW/ATW-PRO)
- AC 24 V / DC 12 V power supply system
- Line lock function (24 V AC)

- Super HAD CCD® is a registered trademark of Sony Corporation.
- DynaView™ is a registered trademark of Sony Corporation.

## Notes on Use

### Operating or storage location

- Do not shoot an extremely bright object (an illumination, the sun, etc.). Also, avoid operating or storing the camera in the following locations, as these can be a cause of a malfunction.
- Extremely hot or cold places (Operating temperature: –20 °C to +50 °C [–4 °F to 122 °F])
  - Exposed to direct sunlight for a long time, or close to heating equipment (e.g., near heaters)
  - Close to sources of strong magnetism
  - Close to sources of powerful electromagnetic radiation, such as radios or TV transmitters
  - Locations subject to vibration or shock
  - Humid or dusty locations
  - Locations exposed to rain
  - Locations under the influence of fluorescent light or reflection of a window
  - Under an unsteady light (the image will flicker.)

### Ventilation

To prevent heat buildup, do not block air circulation around the camera.

### Transportation

When transporting the camera, repack it as originally packed at the factory or in materials of equal quality.

### Cleaning

- Use a blower to remove dust from the lens.
- Use a soft, dry cloth to clean the external surfaces of the camera. Stubborn stains can be removed using a soft cloth dampened with a small quantity of detergent solution, then wipe dry.
- Do not use volatile solvents such as alcohol, benzene or thinners as they may damage the surface finishes.

### Note on laser beams

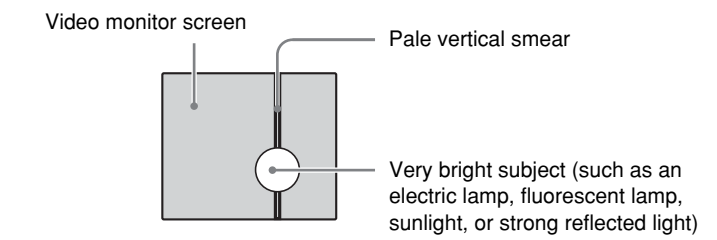
Laser beams may damage a CCD. You are cautioned that the surface of a CCD should not be exposed to laser beam radiation in an environment where a laser beam device is used.

## Typical CCD Phenomena

The following phenomena may appear on the monitor screen while you are using a CCD color video camera. These phenomena stem from the high sensitivity of the CCD image sensors, and do not indicate a fault within the camera.

### Vertical smear

A "smear" may appear to extend vertically from very bright subjects, as shown below.



This phenomenon is common to CCD imaging elements using an interline transfer system, and is caused when electric charge induced by infrared radiation deep within the photo sensor is transferred to the resistors.

### Aliasing

When shooting fine stripes, straight lines or similar patterns, the lines may become slightly jagged.

### Blemishes

A CCD image sensor consists of an array of individual picture elements (pixels). A malfunctioning sensor element will show up as a single pixel blemish in the image. This is generally not a problem.

### White speckles

When you shoot a poorly illuminated object at a high temperature, small white dots may appear all over the entire screen image.

## Location and Function of Part

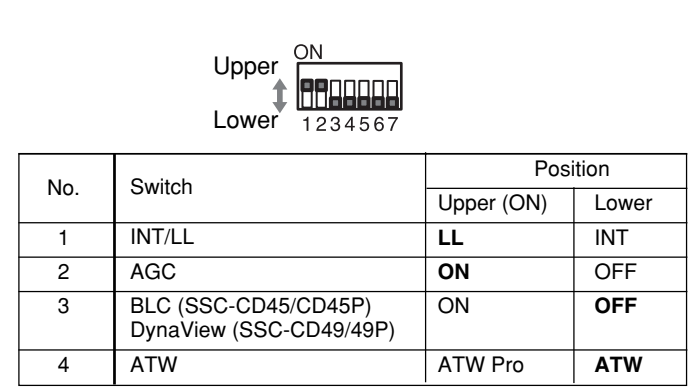
The figure shows the camera without the dome casing and slit cover.

### Side

- Indoor wiring slit (knockout type)**  
When you wire indoors, cut this part with a nipper or similar and feed the cable through it.
- Note**  
Take care not to trap the cable between the camera and ceiling or the wall. If the cable is trapped, it may break and cause a fire or electric shock.
- Camera head holder**
- Lens**
- Lens ring fixing screw**  
Loosen this screw before adjusting the zoom and focus, then tighten it to fix the lens position. The screw can be inserted at one of three points.
- Zoom ring**  
Turn this ring to adjust the field of view.
- Focus ring**  
Turn this ring to adjust the focus.

## Inside

### ⑦ Mode setting DIP switch



- 1: INT/LL (line lock) switch** (Initial setting: LL)  
Use this switch to set the camera synchronization mode to INT (internal) or LL (line lock, Only when the power is AC 24 V).
- 2: AGC (automatic gain control) switch** (Initial setting: ON)  
Set to ON to adjust the gain of the video amplifier automatically according to the brightness of the object.
- 3: SSC-CD45/CD45P: BLC (backlight compensation) switch** (Initial setting: OFF)  
Use this switch to adjust the exposure to compensate for situations where the subject is lit from behind.

### Note

When BLC switch is set to ON, a hunting may be generated due to a picture. In this case, set BLC switch to OFF.

- SSC-CD49/CD49P: DynaView switch** (Initial setting: OFF)  
Set this switch to ON to active the DynaView function.

- 4: ATW switch** (Initial setting: ATW)  
ATW: Automatic adjusting function of the white balance, effective for use under special light like a sodium lamp.  
ATW Pro: Automatic adjusting function of the white balance according to the color temperature based on a fluorescent light, incandescent lighting, or natural light.

5-7: Not used with this unit.

- V PHASE (vertical phase) adjustment screw**  
Use this screw to adjust the vertical phase of cameras synchronized by LL.
- Dome casing screw hole**
- Camera installation holes (2 positions)**  
Make sure to tighten the screws securely when installing the camera.
- Camera head fixing screw**  
First loose the screw and face the camera head to the desired direction, then tighten the screw to fix it.
- Monitor out jack**  
Connect to a video input connector of a monitor . You can adjust the camera while looking at the image on the monitor. After adjusting the camera, disconnect the cable.

## Bottom

- BNC cable**  
Outputs a composite video signal. Connect to a composite video input connector of a video monitor, VCR, etc (ⓐ).
- 24V AC/12V DC (power input) cable**  
Connect to a 24V AC or 12V DC power supply system (ⓑ). The connector tip is a quick-disconnect type. You can screw the cables in the tip.
- Screw hole for wire rope**

### 中文

## 警告

为减少火灾或电击危险，请勿让本产品受到雨淋或受潮。

不要打开本机机壳，以免遭受电击。除非是本公司指定的合格技术员，否则请勿进行维修。

### 警告

本安装应该由有资格的服务人员进行，并须符合所有当地法规规定。

### 警告

应该在建筑物安装配线中组入易于使用的断电设备。

### 警告（仅限于安装人员）

有关在天花板或墙面上安装设备的指示：  
安装后，请确保该连接至少可承受向下 50 牛顿（N）的拉力。

### 注意事项

额定标签位于底部。

### 电源供应

SSC-CD45/CD45P/CD49/CD49P 使用 24V 交流或 12V 直流。  
SSC-CD45/CD45P/CD49/CD49P 自动检出电源。

### 警告

本装置为 A 类产品。在家庭环境下使用时，本产品可能会产生无线电干扰；需要用户采取适当的防范措施。

当发生干扰时，请与就近的授权 Sony 服务处联系。

### 注意

某些特定频率的电磁场可能会干扰本装置的图像。

## 功能

这是一款采用 1/3 型 Super HAD CCD® 的半球型摄像机。具有以下特点：

- 手动设定摄像机方向-摇动、倾斜和旋转。
- Vari-focal auto iris 镜头作为标准配置。镜头的焦距从 2.8 mm 至 10 mm。
- 高品质 CCD 和透明的圆顶盖确保了高灵敏度。
- 通过中心测光的背光补偿（仅适用于 SSC-CD45/CD45P）。
- 使用 DynaView 技术的宽动态范围（比标准宽 128 倍）（仅适用于 SSC-CD49/CD49P）
- 自动白平衡跟踪和调节（ATW/ATW-PRO）
- AC 24 V / DC 12 V 电源系统
- 线路锁定功能（24 V AC）

- Super HAD CCD® 是 Sony Corporation 的注册商标。
- DynaView™ 是 Sony Corporation 的注册商标。

## 关于使用注意事项

### 操作或存放场所

- 切勿拍摄特别明亮的物体（照明、太阳等）。另外，避免在以下场所操作或存放摄像机，否则会造成故障。
- 特别热或特别冷的地方（工作温度：–20 °C 至 +50 °C）
  - 长时间暴露于直射阳光下，或者靠近热源（比如加热器）的地方。
  - 靠近强磁性源
  - 靠近强电磁辐射源，如收音机或电视发射器
  - 受到振动或冲击的场所
  - 潮湿或多尘场所
  - 淋雨的场所
  - 受荧光灯或玻璃窗反射影响的场所
  - 在不稳定光线下（图像会闪烁。）

### 通风

为了防止热量积聚，切勿阻挡摄像机周围的空气流通。

### 运输

运送摄像机时，请按照出厂时的原包装重新包装或用相同质量的材料进行包装。

### 清洁

- 使用吹气工具清除镜头上的灰尘。
- 使用干的软布清洁摄像机的外表。顽固的污垢可以用软布蘸少量的清洁剂清除，然后再擦干。
- 切勿使用酒精、苯或稀释剂等挥发性溶剂，这些物质可能会损坏表面涂层。

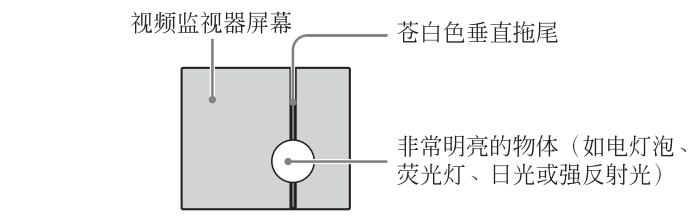
**有关激光束的注意事项**  
激光束可能会烧毁 CCD（电荷耦合器件）。若在激光装置被使用的情况下，请您一定注意不要让 CCD 的表面暴露于激光束的辐射之下。

## 典型 CCD 现象

当您使用 CCD 彩色视频摄像机时，监视器屏幕上可能会出现下述现象。这些现象是由于 CCD 影像传感器的高灵敏度所致，并不表明摄像机内部故障。

### 垂直拖尾

如下所示，可能会从非常明亮的物体上垂直延伸出一条“拖尾”。



该现象为使用隔行传送系统的 CCD 影像元素的共通现象，是由于光学传感器内部红外线辐射所产生的电荷被传送到电阻器所致。

### 混叠

当拍摄细密条纹、直线或相似图案时，线条可能会稍有参差不齐。

### 污点

CCD 影像传感器由单一图像元素（像素）的矩阵构成。发生故障的传感器元素会成为单一的像素污点显示在影像中。这通常没有问题。

### 白色斑点

当您在高温下拍摄照明不足的物体时，整个屏幕影像上可能会出现小的白色斑点。

## 部件位置和功能

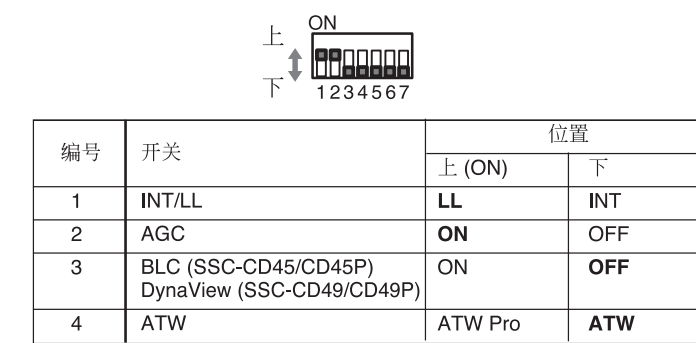
插图显示未装圆顶盖和开口盖。

### 侧面

- 室内配线口（预留口）**  
在室内配线时，用镊子或类似工具将此部位切除，并将电缆从此处穿过。
- 注意**  
请小心，不要将电缆夹在摄像机和天花板或墙壁之间。如果电缆夹住，则电缆可能折断而引起火灾或触电。
- 摄像头固定座**
- 镜头**
- 镜头环固定螺丝**  
调节变焦和对焦之前先松开此螺丝，然后再拧紧固定镜头位置。螺丝可以从三个位置之一插入。
- 变焦环**  
转动此环调节可视范围。
- 对焦环**  
转动此环调节对焦。

## 内部

### ⑦ 模式设定 DIP 开关



- 1: INT/LL（线路锁定）开关（初始设定：LL）**  
使用此开关将摄像机同步模式设定为 INT（内部）或 LL（线路锁定，仅当电源为 AC 24 V 时）。
- 2: AGC（自动增益控制）开关（初始设定：ON）**  
设定为 ON 时，将根据拍摄对象的亮度自动调节视频放大器的增益。
- 3: SSC-CD45/CD45P: BLC（背光补偿）开关（初始设定：OFF）**  
使用此开关调节曝光，从而对被摄对象逆光的情况进行补偿。

### 注意

当 BLC 开关设定为 ON 时，图像可能会产生振荡。在此情况下，请将 BLC 开关设定至 OFF。

- SSC-CD49/CD49P: DynaView 开关（初始设定：OFF）**  
将此开关设定至 ON 以启动 DynaView 功能。

- 4: ATW 开关（初始设定：ATW）**  
ATW：自动调节白平衡的功能，对于在钠灯等特定光线下使用特别有效。  
ATW Pro：根据基于荧光灯、白炽灯或自然光的色温，自动调节白平衡的功能。

- 5-7: 不与本装置一起使用。**

- V PHASE（垂直相位）调节螺丝**  
使用此螺丝调节摄像机 LL 同步的垂直相位。

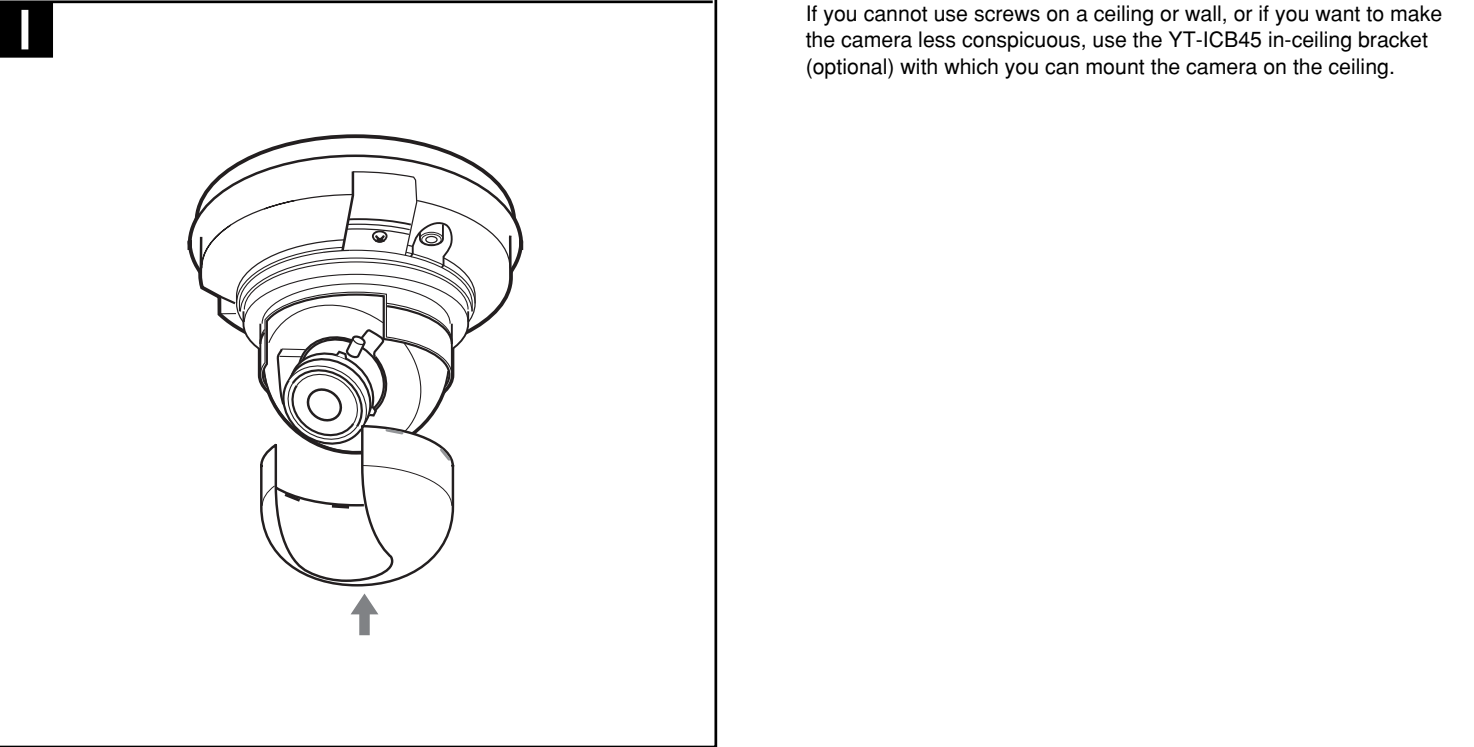
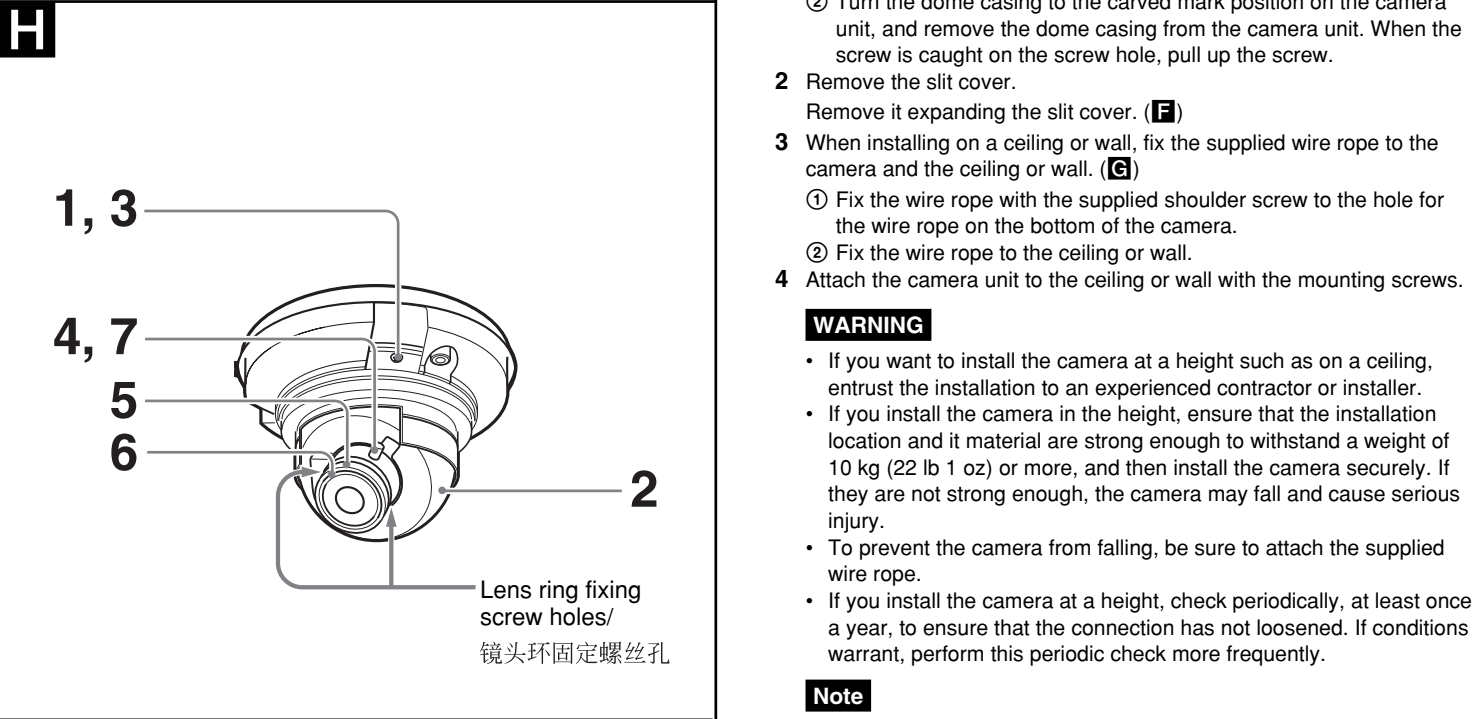
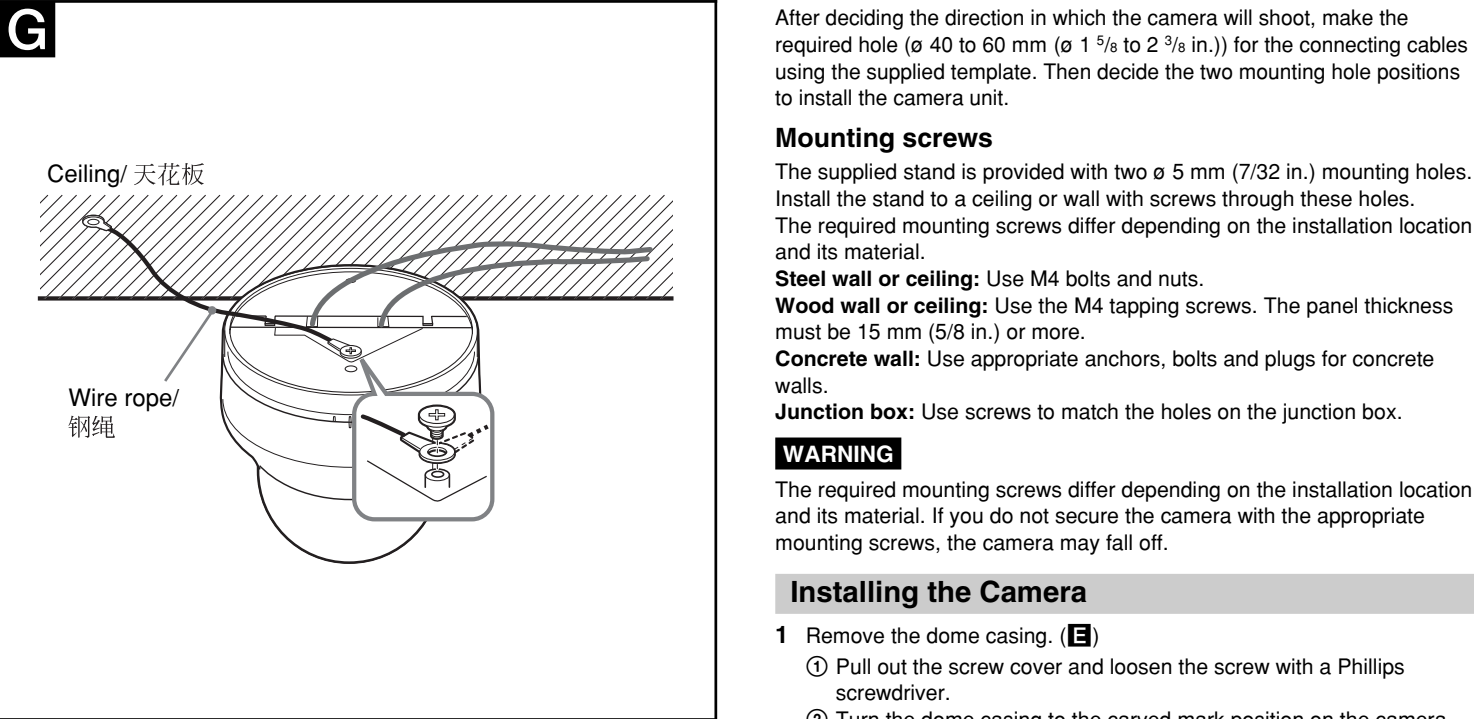
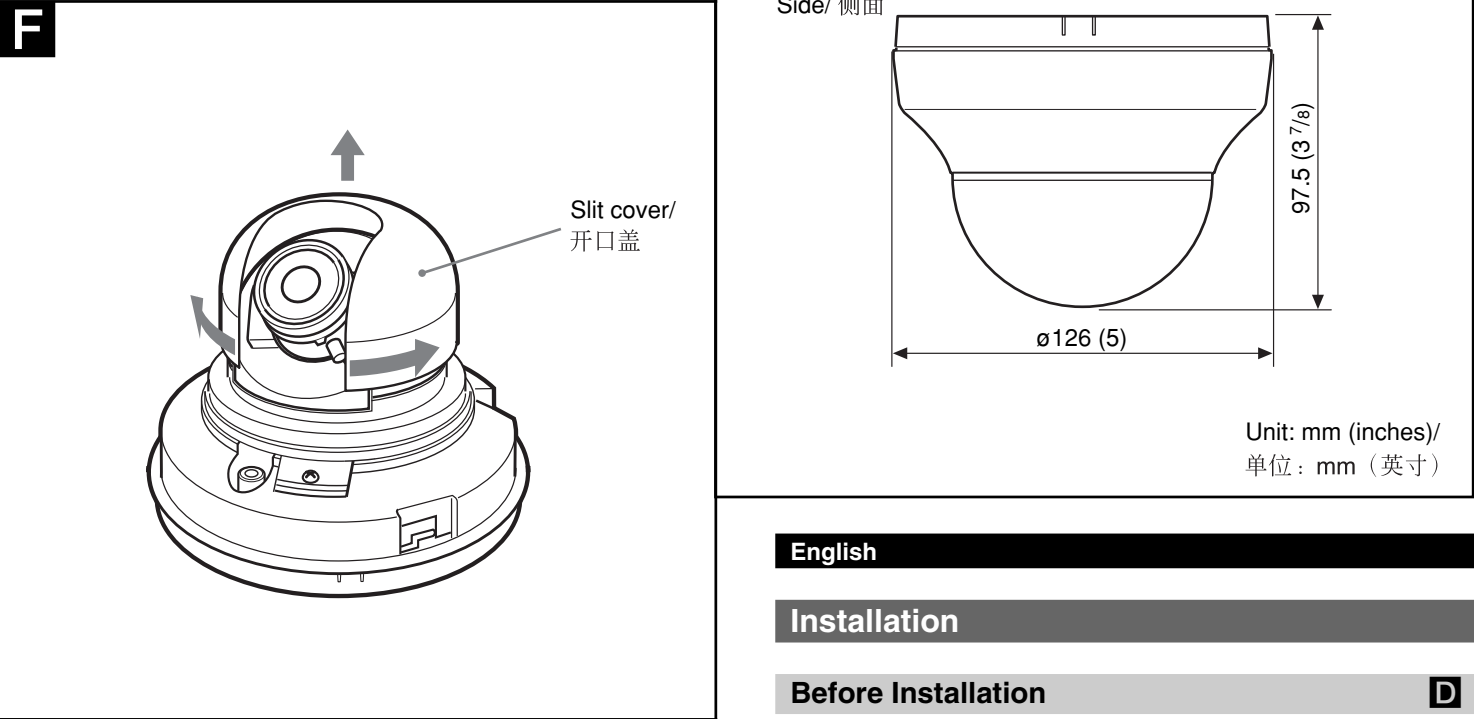
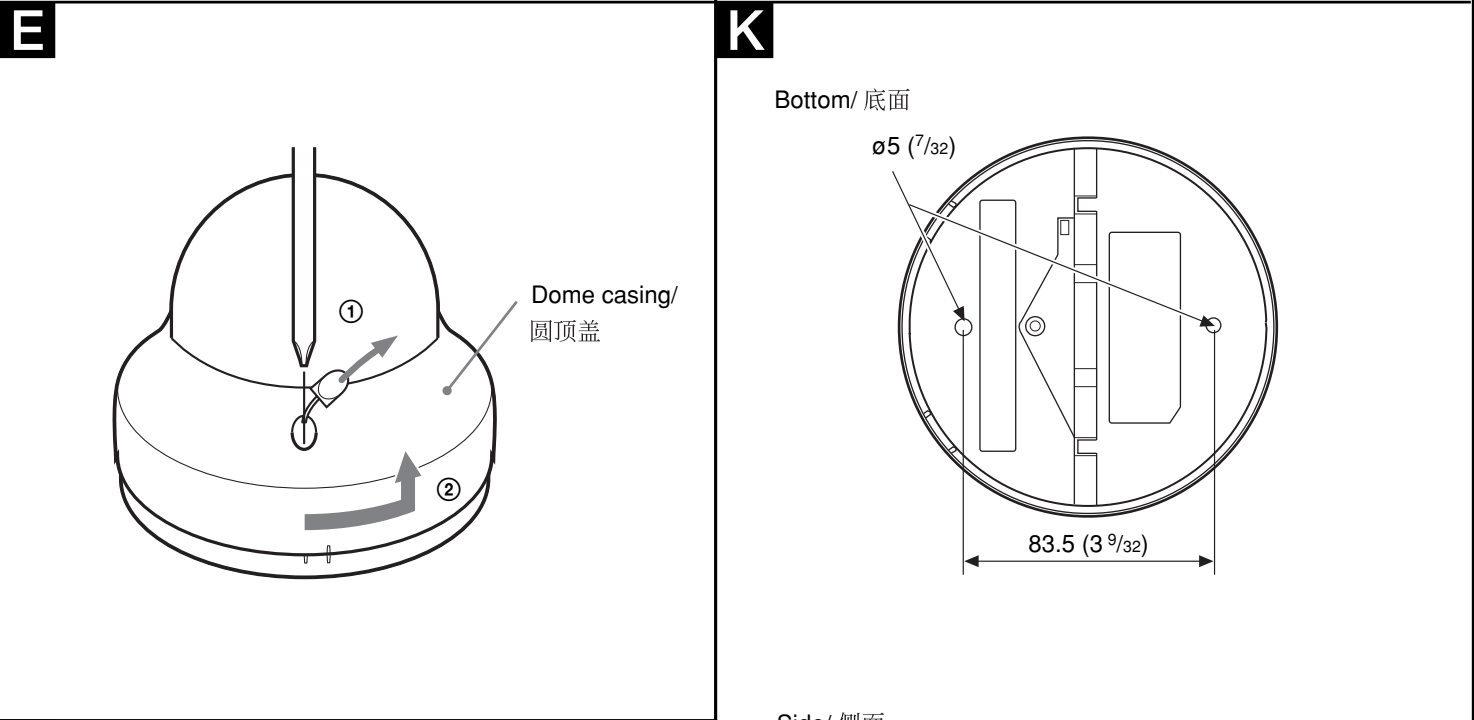
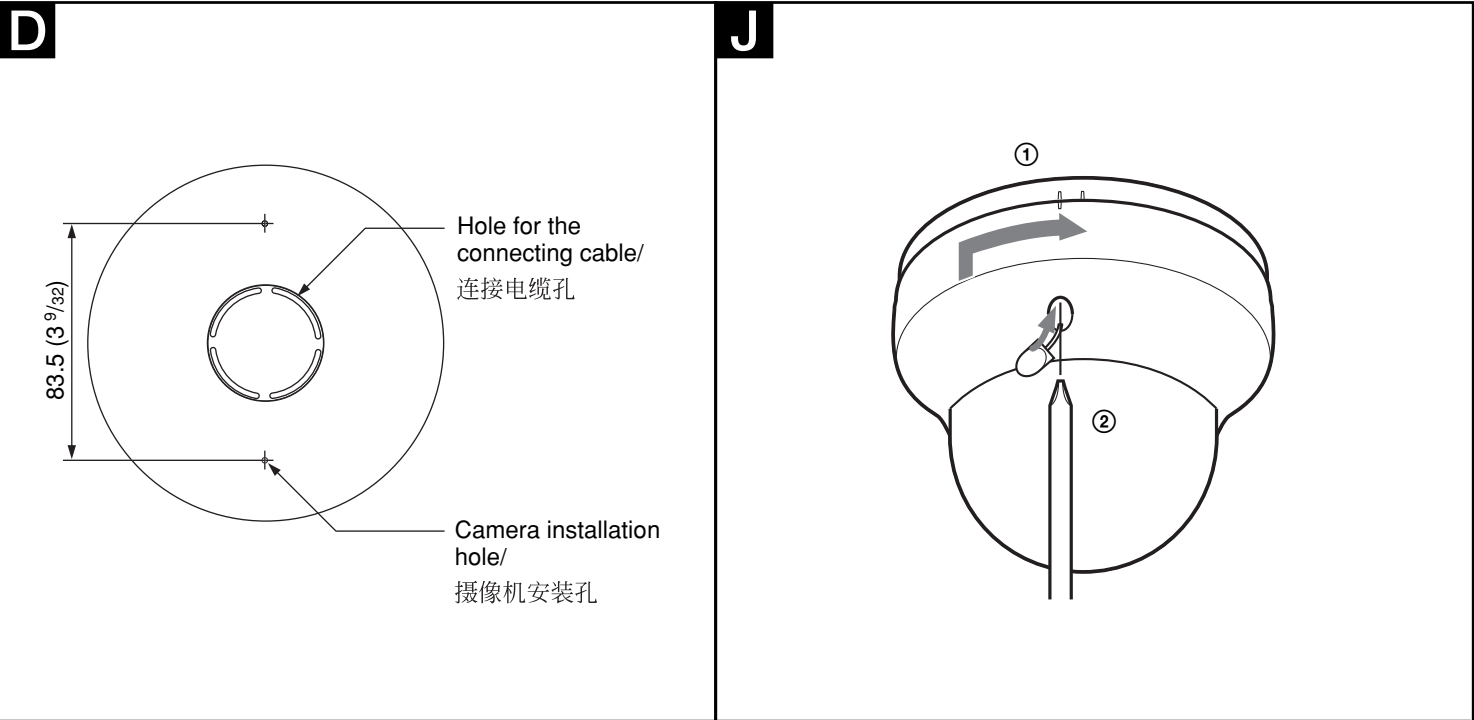
- 圆顶盖螺丝孔**
- 摄像机安装孔（2 个位置）**  
安装摄像机时必须拧紧每个螺丝。
- 摄像头固定螺丝**  
先松开螺丝并将摄像头面对想要的方向，然后拧紧螺丝固定摄像头。
- 监视器输出插孔**  
连接至监视器的视频输入接口。您可以在监视器上边看图像边调节摄像机。调节摄像机后，断开电缆连接。

## 底面

- BNC 电缆**  
输出复合视频信号。连接至视频监视器、录像机等设备的复合视频输入连接器（ⓐ）。
- 24V AC/12V DC（电源输入）电缆**  
连接至 24V AC 或 12V DC 电源系统（ⓑ）。连接器接头为快速脱落式。您可以将电缆用螺丝固定在接头内。
- 钢绳螺丝孔**

（接背面）





## Adjusting the Camera Direction and CoverageH

- 1 Loosen the camera head fixing screw.
- 2 Adjust the camera to turn the lens in the desired direction.
- 3 Tighten the camera head fixing screw to fix the camera.
- 4 Loosen the lens ring fixing screw.
- 5 Turn the zoom ring to adjust the angle of view.
- 6 Turn the focus ring to adjust the focus.
- 7 Tighten the lens ring fixing screw to fix the zoom and the focus.
- 8 Repeat steps 1 to 7 until the coverage and the focus are determined.

### Notes

- When you adjust the camera head angle without loosening camera head fixing screw, an internal metallic part may be damaged.
- If the camera head is too heavy to be adjusted, loosen the camera head fixing screw until it moves freely.
- When the lens is not put in the slit of the camera head holder, the moving range of the camera head is limited.
- Do not turn the lens more than 360 degrees. As this may damage the wiring inside.
- There are three screw holes for fixing the lens ring at 120 degree intervals. If the lens ring fixing screw poses a problem for adjusting the camera direction and coverage due to the direction of the camera head, detach the screw and reattach it to another screw hole, then adjust the camera direction and coverage again.
- When adjusting the angle, be sure that the TOP mark on the camera head section faces the ceiling. If the camera is installed with the TOP mark facing the floor, the image appears upside down.

## Attaching the Dome Casing

- 1 Attach the slit cover. (II)

### Notes

- The proper position of the slit cover is slightly apart from the camera mount. Do not push in by force.
  - If you cannot attach the slit cover because the barrier of the lens ring fixing screw prevents it, attach the lens ring fixing screw to another screw hole. There are three screw holes for the lens ring fixing screw on the concentric circle.
- 2 Fix the dome casing and the camera unit. (II)
    - ① Align the carved mark of the dome casing with the one on the camera unit, and turn the dome casing in the direction of the arrow.
    - ② Secure the dome casing with the supplied dome casing screw. Then, return the screw cover to the screw hole on the dome casing.

## Specifications

Image device	1/3 type interline transfer (Super HAD CCD for SSC-CD45/CD45P, DynaView for SSC-CD49/CD49P)
Effective picture elements	SSC-CD45/CD49: 768 (horizontal) × 494 (vertical) SSC-CD45P/CD49P: 752 (horizontal) × 582 (vertical)
Focal length	2.8 to 10 mm
Maximum relative aperture	F1.3
View angle	Horizontal: 100.8° (wide) – 27.7° (tele) Vertical: 73.9° (wide) – 20.8° (tele)
Minimum object distance	0.3 m
Signal system	SSC-CD45/CD49: NTSC color system SSC-CD45P/CD49P: PAL color system
Synchronization system	Internal (DC 12 V/AC 24 V) / Line lock (AC 24 V only) switchable
Horizontal resolution	SSC-CD45/CD45P: 540 TV lines SSC-CD49/CD49P: 480 TV lines
Minimum illumination	SSC-CD45/CD45P: 0.9 lx (AGC ON, F1.3, 50IRE) SSC-CD49/CD49P: 0.7 lx (AGC ON, F1.3, 50IRE)
Video output	1.0 Vp-p, 75 ohms, negative sync, BNC cable
Video S/N ratio	More than 50 dB (AGC OFF)
White balance	ATW/ATW Pro switchable
AGC	ON / OFF switchable
BLC	SSC-CD45/CD45P: ON / OFF switchable (BLC ON) SSC-CD49/CD49P: ON / OFF switchable (DynaView ON)
Monitor output	Phono jack
Power supply	SSC-CD45/CD49: AC 24 V ±10 % / 60Hz, DC 12 V ±10 % (Automatically switched) SSC-CD45P/CD49P: AC 24 V ±10 % / 50Hz, DC 12 V ±10 % (Automatically switched)
Power consumption	SSC-CD45/CD45P: 4.0 W SSC-CD49/CD49P: 4.2 W
Operating temperature	–20 °C to +50 °C (–4 °F to +122 °F)
Storage temperature	–40 °C to +60 °C (–40 °F to +140 °F)
Operating humidity	20% to 80%
Storage humidity	20% to 95%
Dimensions (diameter/height)	126 × 97.5 mm (5 × 3 7/8 inches)
Mass	Approx. 440 g (16 oz)
Supplied accessories	M4 Shoulder screw (1) Wire rope (1) Template (1) Operating Instructions (1)
Optional accessory	In-ceiling bracket YT-ICB45

Design and specifications are subject to change without notice.

Always verify that the unit is operating properly before use. SONY WILL NOT BE LIABLE FOR DAMAGES OF ANY KIND INCLUDING, BUT NOT LIMITED TO, COMPENSATION OR REIMBURSEMENT ON ACCOUNT OF THE LOSS OF PRESENT OR PROSPECTIVE PROFITS DUE TO FAILURE OF THIS UNIT, EITHER DURING THE WARRANTY PERIOD OR AFTER EXPIRATION OF THE WARRANTY, OR FOR ANY OTHER REASON WHATSOEVER.

### Regular parts replacement

Some of the parts that make up this product (electrolytic condenser, for example) need replacing regularly depending on their life expectancies. The lives of parts differ according to the environment or condition in which this product is used and the length of time it is used, so we recommend regular checks. Consult the dealer from whom you bought it for details.

## 中文

## 安装

## 安装之前D

确定摄像机将要拍摄的方向后，使用附带的模板制作连接电缆所需要的孔（ø40-60 mm）。然后确定两个安装孔位置，用于安装摄像机装置。

### 安装螺丝

附带的底座有两个 ø5 mm 安装孔。将螺丝穿过这些孔将底座安装在天花板或墙壁上。  
所需要的安装螺丝视安装位置及其材质而不同。  
钢质墙或天花板：使用 M4 螺栓和螺母。  
木质墙或天花板：使用 M4 自攻螺丝。板材厚度必须为 15 mm 或更厚。  
混凝土墙：使用适合混凝土墙的膨胀螺丝、螺栓和插件。  
接线箱：使用与接线箱上孔洞相匹配的螺丝。

### 警告

所需要的安装螺丝视安装位置及其材质而不同。如果未用正确的安装螺丝进行固定，摄像机可能掉落。

## 安装摄像机

- 1 拆下圆顶盖。(E)
  - ① 拔出螺丝盖，然后用十字螺丝刀松开螺丝。
  - ② 将圆顶盖转动到摄像机装置上的弯曲标志位置，然后将圆顶盖从摄像机装置上取下。如果螺丝卡在螺丝孔中，请拔出螺丝。
- 2 拆下开口盖。
- 3 当安装在天花板或墙上时，请将附带的钢绳固定在摄像机和天花板或墙上。(G)
  - ① 摄像机的底部有钢绳螺丝孔。用附带的平肩螺丝固定钢绳。
  - ② 将钢绳固定在天花板或墙上。
- 4 使用安装螺丝将摄像机装置安装在天花板或墙壁上。

### 警告

- 如果要将摄像机安装在天花板等处，请将安装工作委托给有经验的承包商或安装人员。
- 如果要将摄像机安装在高处，必须确保安装位置和材质有足够的强度承受 10kg 或更大的重量。然后再牢固安装摄像机。如果强度不够，则摄像机可能掉落并造成严重的人员受伤。
- 为防止摄像机掉落，必须连接附带的钢绳。
- 如果摄像机安装在高处，请定期检查，每年至少一次，以确保连接没有松动。如果条件允许，请更频繁定期检查。

### 注意

- 如果天花板或墙上无法使用螺丝，或者您想要让摄像机更加隐蔽，请使用 YT-ICB45 天花板内嵌支架（选购），将摄像机安装在天花板上。

## 调节摄像机方向和覆盖范围H

- 1 松开摄像头固定螺丝。
- 2 将摄像机调节到镜头能转到的需要方向。
- 3 拧紧摄像头固定螺丝固定摄像机。
- 4 松开镜头环固定螺丝。
- 5 转动对焦环调节观察的角度。
- 6 转动对焦环调节对焦。
- 7 拧紧镜头环固定螺丝固定变焦和对焦。
- 8 重复步骤 1-7，直至确定拍摄覆盖范围和对焦。

### 注意

- 如果未松开摄像头固定螺丝就调节摄像头角度，则可能损坏内部机械部件。
- 如果摄像头太重无法调节，请将摄像头固定螺丝再松开一点，直至能移动自如。
- 如果镜头未对准摄像头固定座的开口，则摄像头的移动范围将受到限制。
- 切勿将镜头转动超过 360 度。否则可能会损坏内部导线。
- 有三个螺丝孔以 120 度间隔用于固定镜头环。如果因镜头环固定螺丝的原因而造成调节摄像机方向困难，并因为摄像头的方向而影响镜头拍摄范围，请拆下螺丝并重新固定到另一个螺丝孔，然后再调节摄像机方向和拍摄覆盖范围。
- 调节角度时，必须将摄像头上的 TOP 标记面对天花板。如果将 TOP 标记面向地面安装摄像机，则图像会颠倒显示。

## 安装圆顶盖

- 1 安装开口盖。(II)

### 注意

- 开口盖的正确位置应与摄像机底座稍稍离开一点距离。切勿用力按入。
  - 如果因为镜头环固定螺丝造成障碍而无法安装开口盖，请将镜头环固定螺丝安装到另一个螺丝孔。圆周上有三个用于镜头环固定螺丝的螺丝孔。
- 2 固定圆顶盖和摄像机装置。(II)
    - ① 将圆顶盖上的弯曲标记与摄像机装置上的标记对齐，然后按箭头方向转动圆顶盖。
    - ② 用附带的圆顶盖螺丝固定圆顶盖。然后，重新将螺丝盖盖回圆顶盖上的螺丝孔。

## 规格

成像设备	1/3 型隔行传送（SSC-CD45/CD45P 为 Super HAD CCD，SSC-CD49/CD49P 为 DynaView）
有效像素	SSC-CD45/CD49: 768（水平）× 494（垂直） SSC-CD45P/CD49P: 752（水平）× 582（垂直）
焦距	2.8 mm – 10 mm
最大相对光圈	F1.3
视角	水平：100.8°（广角）–27.7°（摄远） 垂直：73.9°（广角）–20.8°（摄远）
最短拍摄对象距离	0.3 m
信号制式	SSC-CD45/CD49: NTSC 彩色制式 SSC-CD45P/CD49P: PAL 彩色制式
同步系统	内部（DC 12 V/AC 24 V） / 线路锁定（仅适用 AC 24 V）可切换
水平分辨率	SSC-CD45/CD45P: 540 TV 线 SSC-CD49/CD49P: 480 TV 线
最低照明	SSC-CD45/CD45P: 0.9 lx（AGC ON, F1.3, 50 IRE） SSC-CD49/CD49P: 0.7 lx（AGC ON, F1.3, 50 IRE）
视频输出	1.0 Vp-p, 75 欧姆，负同步，BNC 电缆
视频信噪比	大于 50 dB（AGC OFF）
白平衡	ATW/ATW Pro 可切换
AGC	ON / OFF 可切换
BLC	SSC-CD45/CD45P: ON / OFF 可切换（BLC ON） SSC-CD49/CD49P: ON / OFF 可切换（DynaView ON）
监视器输出	音频插孔
电源	SSC-CD45/CD49: AC 24 V ±10 % / 60 Hz, DC 12 V ±10 %（自动切换） SSC-CD45P/CD49P: AC 24 V ±10 % / 50 Hz, DC 12 V ±10 %（自动切换）
功耗	SSC-CD45/CD45P: 4.0 W SSC-CD49/CD49P: 4.2 W
操作温度	–20 °C 到 +50 °C
存储温度	–40 °C 到 +60 °C
操作湿度	20% – 80%
存储湿度	20% – 95%
尺寸（直径/高）(K)	126 mm × 97.5 mm
质量	约 440 g
附件	平肩螺丝 M4（1） 钢绳（1） 模板（1） 使用手册（1）
选购附件	天花板内嵌支架 YT-ICB45

设计和规格若有变更，恕不另行通知。

在使用前请始终确认本机运行正常。无论保修期内外或基于任何理由，SONY 对任何损坏概不负责，包括但不限于，由于本机故障造成的现有损失或预期利润损失，不进行退货或赔偿。

### 定期零件更换

本产品中采用的部分零件（例如电解质电容器）需要根据其平均寿命定期进行更换。  
零件的寿命随本产品的使用环境或条件以及使用时间而异，建议您定期进行检查。  
详细信息请向您购买本产品的经销商咨询。